

19970607.qrp qrp-por0.749

>From owner-qrp-l@Lehigh.EDU Fri Jun 6 18:03 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.6.Beta4/A-UX-3.0.1) with ESMTTP id SAA08667
> for <shimshon@uro.theporch.com>; Fri, 6 Jun 1997 18:03:54 -0500 (CDT)
>Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
> by sco.theporch.com (8.8.6.Beta4/SCO-5.0.2) with ESMTTP id XAA22717
> for <shimshon@theporch.com>; Fri, 6 Jun 1997 23:03:45 GMT
>Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<35000-50270>; Fri, 6 Jun 1997 19:03:16 -0400
>Date: Fri, 6 Jun 1997 19:03:07 EDT
>Sender: owner-qrp-l@Lehigh.EDU
>Precedence: bulk
>From: qrp-l@Lehigh.EDU
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: QRP-L digest 749
>Mime-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>Message-Id: <97Jun6.190316edt.35000-50270+154@fidoii.cc.Lehigh.EDU>
>Status: 0

QRP-L Digest 749

Topics covered in this issue include:

- 1) [20905] Queensryche update
by Paul Harden <pharden@aoc.nrao.edu>
- 2) [20906] NorCal's June Meeting Report
by Jerry Parker <jparker@fix.net>
- 3) [20907] RS21-527 SWR/PWR Meter, Notes on
by Russ Garner <71544.1645@compuserve.com>
- 4) [20908] The NorCal Meeting Report
by Jerry Parker <jparker@fix.net>
- 5) [20909] Re: Dupsheets
by Craig LaBarge <LaBarge_C@compuserve.com>
- 6) [20910] Re: Custom 38 Special Enclosures
by Harry Bump <bump@redrose.net>
- 7) [20911] 50/40/30 Freq?
by gsurrency@juno.com (Gary L Surrency)
- 8) [20912] Re: Custom 38 Special Enclosures
by Norm Melick <henmel@worldnet.att.net>
- 9) [20913] Filters
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
- 10) [20914] 24 Hr Clocks Progress
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
- 11) [20915] ARRL's QST Back Issues on CD-ROM
by "Alan Slusher" <slusher@sunbeach.net>

- 12) [20916] Re: 50/40/30 Freq? Antenna down???
by Michael <MichaelN@cycat.com>
- 13) [20917] Re: Bootlegger Alert
by w7rfm@juno.com (John E Hirsch)
- 14) [20918] Bootlegger Alert a caution
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
- 15) [20919] Selling stuff
by k8cv@juno.com (Walt D Amos)
- 16) [20920] Re: ARRL's QST Back Issues on CD-ROM
by Frank <frank001@postoffice.worldnet.att.net>
- 17) [20921] RE: Queensryche update
by "DANIEL DOBSON" <DANDOBSON@msn.com>
- 18) [20922] GQRP address
by Tony Fishpool <G4WIF@CompuServe.COM>
- 19) [20923] Emtech 30 meter rig and BCI
by Scott Bauer <ke3nv@erols.com>
- 20) [20924] Ionospheric Modification Experiment
by Raventhorne <jelder@ix.netcom.com>
- 21) [20925] Badger question for Nils
by rerobins@unccvm.uncc.edu (Rick Robinson)
- 22) [20926] Motorola MC13030 Chip
by Clark Fishman <cfishman@pica.army.mil>
- 23) [20927] New SST pic
by Chris Cartwright <ccart@dns.vidtel.com>
- 24) [20928] Spam list?
by steam@megsinet.net (Michael Pender)
- 25) [20929] Ten Tec Accessories
by w8lrm@juno.com (Albert K. Rea)
- 26) [20930] QEX Subscribers take note
by Ed Pacyna <pacyna@auratek.com>
- 27) [20931] vaniyt call help
by Brian Cieslak <brianc@ams-i.com>
- 28) [20932] Re: Ionospheric Modification Experiment
by Chris Trask <ctrask@primenet.com>
- 29) [20933] Club List
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 30) [20934] Re: Motorola MC13030 Chip
by Chris Trask <ctrask@primenet.com>
- 31) [20935] Re: Vanity plates
by Brian Cieslak <brianc@ams-i.com>
- 32) [20936] Re: Bootlegger Alert
by Bill Todd <bill@techline.com>
- 33) [20937] FD 97' (new) Update
by Bill Todd <bill@techline.com>
- 34) [20938] Re: Spam list?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 35) [20939] Ladder line fed antennas
by Christopher Moore <christopher.moore@snet.net>

- 36) [20940] Badger question for Nils
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 37) [20941] Re: vanityt call help
by Christopher Moore <christopher.moore@snet.net>
- 38) [20942] Re: Band-width and Filters
by Ed Pacyna <pacyna@auratek.com>
- 39) [20943] Tick Keyer+ NWxx, SWxx ??
by n4js@amsat.org
- 40) [20944] And while we are on the subject
by David Adams <adamsclan@netgate.net>
- 41) [20945] RE: Ladder line fed antennas
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 42) [20946] QRP Forum at Hamcom
by Doug Hendricks <ki6ds@dpol.k12.ca.us>
- 43) [20947] Badgers
by rhilto - Robert Hilton <rhilto@acxiom.com>
- 44) [20948] Re: And while we are on the subject
by James Parsons <k5rov@worldnet.att.net>
- 45) [20949] Re: Ten Tec Accessories
by k8cv@juno.com (Walt D Amos)
- 46) [20950] Re: Ladder line fed antennas
by Doug <doug@sunrise.alpinet.net>
- 47) [20951] New Product Announcement
by "Marshall Emm" <mgemm@mtechnologies.com>
- 48) [20952] RE: And while we are on the subject
by n4js@amsat.org
- 49) [20953] Re: Book - Build Your Own Intelligent Amateur Radio Transceiver
by Ken Lopez <kjllopez@earthlink.net>
- 50) [20954] FS: MFJ rigs
by "John Shuster" <jshuster@ix.netcom.com>
- 51) [20955] Re[2]:Badger question for Nils
by ptaber@microtest.com
- 52) [20956] TRADE: Argo 515 > Argo II
by Dennis Terribile <wr4i@mindspring.com>
- 53) [20957] Re: Book - Build Your Own Intelligent Amateur Radio Transceiver
by Kory Hamzeh <kory@avatar.com>
- 54) [20958] RE: Open wire/ladder line feeders
by Sandy W5TVW <ebjr@worldnet.att.net>
- 55) [20959] Re: vanityt call help
by mdwatt@usit.net (Marty Watt)
- 56) [20960] Re: vanity call help
by Ed Loranger <we6w@qsl.net>
- 57) [20961] Re: vanity call help
by Ed Loranger <we6w@qsl.net>
- 58) [20962] Re: vanity call help
by "Dana H. Myers" <myers@bigboy.West.Sun.COM>
- 59) [20963] Re: Book - Build Your Own Intelligent Amateur Radio Transceiver
by torell@sicom.com (Kent Torell)

- 60) [20964] Re: Book - Build Your Own Intelligent Amateur Radio Transceiver
by Kory Hamzeh <kory@avatar.com>
- 61) [20965] Surplus stores in Orange Co.?
by "Dave Maliniak" <dmaliniak@penton.com>
- 62) [20966] Alpha-Delta Output Tripod
by Kory Hamzeh <kory@avatar.com>
- 63) [20967] Intelligent XCVR
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 64) [20968] bootleg calls ...
by Joel Malman <malman@BBN.COM>
- 65) [20969] The Art of Electronics
by Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>
- 66) [20970] CQC Swap List
by "Marshall Emm" <mgemm@mtechnologies.com>
- 67) [20971] Email for WA8TXT ?
by mike wood <K6MW@server.worldinfonet.com>
- 68) [20972] Re: Book - Build Your Own Intelligent Amateur Radio Transceiver
by Dan Hogan <dhhogan@lightside.com>

Date: Thu, 5 Jun 1997 17:00:34 -0600
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Subject: [20905] Queensryche update
Message-ID: <199706052300.RAA09734@zia.aoc.nrao.edu>

Gads, never know what turns this group of fellas on. Have received gobs of private email over the Queensryche concert at the VLA tonite, so a couple of general answers to questions received.

- 1. Yes, I'm taking a disposable camera to catch a few choice photos. I'll make them available to those who want them.
- 2. If there's T-shirts and stuff for sale, I'll pick up a few to pass on a first-come, first-served basis.
- 3. The concert will be broadcast TONITE (thursday) starting at 9pm mountain time. The info I have is they will be using satellite SBS-6, transponders 11B and/or 12B for the direct uplink (Ku band satellite at 74 degrees west).
(I have a complete list of frequencies for the bands wireless mikes, guitars, mixers, etc. so we can monitor for RFI to the antennas, but would probably be fired if I published them here :-)
- 4. This concert is being produced by EMI Records.
- 5. They're supposed to make a poster available to us with the VLA in the background during the laser light show. That will be a month or so away, but will try to get as many as I can. Remember, the observatory's PR guy is a fello QRPer, so I do have a kinda in with the guy -hi.

6. Yes, yes, yes ... I'll be taking earplugs. Thanks for your concern.
7. Yes I know this has nothing to do with QRP. Sorry.
8. No, I am not a Queensryche fan. In fact, never even heard of them until all of this started last week. But years ago, I was known to listen to Pink Floyd and Led Zeppelin. Does that count?

72, "Heavy Metal Paul" NA5N

Date: Thu, 05 Jun 1997 16:07:32 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-1@Lehigh.EDU
Subject: [20906] NorCal's June Meeting Report
Message-ID: <2.2.32.19970605230732.00af2db8@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The NorCal June Meeting Report has been posted complete with lots of pictures on the NorCal Page.

<http://www.fix.net/norcal.html>

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: 05 Jun 97 19:07:29 EDT
From: Russ Garner <71544.1645@compuserve.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [20907] RS21-527 SWR/PWR Meter, Notes on
Message-ID: <970605230729_71544.1645_EHL90-1@CompuServe.COM>

Greetings, Gentle Listers--

I bought the subject device and ordered a service manual.

I offer the following items as partial supplement to the data in the QST review (June, '97).

1) As for a "bewildering cascade of digits": Although the little Owner's Manual does tell you not to talk into the microphone

while making SWR measurements, it does not offer the same caution for power measurements. But then I do not normally talk or send CW while I take power readings ;-).

2) The Owner's Manual lists power accuracy at +/-10 percent full scale; the Service Manual properly shows +/- 10 percent of <reading>.

3) SWR accuracy at input SWR of 1:1.....+0.2/-0.0 percent. Accuracy at 2:1.....+/-0.4 percent. Note the decimal points!

4) Power switch on the display unit switches LCD power and backlighting. It does not remove power from the display unit logic.

5) Display unit includes an 80-pin microcontroller (CPU) and an 8-pin EEPROM. The CPU includes eight 8-bit A/D converters (only six mentioned in the manual and only a few actually used for measurements). LCD control is integrated into the CPU, with 28 pins dedicated to the LCD module. The EEPROM stores <constants measured during the calibration procedure.>

6) Calibration requires a first-rate RF wattmeter (accuracy 5 percent of reading) and a first-rate dummy load. Put the device into calibration mode and apply 1-, 5-, 10-, 50-, 100-, 500-, and 1000-watt input levels at 7.1 MHz. This is <forward> calibration. Next, do it all again (in any order, incidentally) for the <reverse> calibration. You can turn the transmitter off between steps. If you turn the device off, however, you will lose everything and have to start over. All calibration points have to be performed.

7) I am guessing that if you want to place the sensor unit 300 feet away from the display unit, you would simply have to rerun the calibration procedure. But I ain't sure.

8) The LCD bar graph comprises 41 segments. Segments 1 through 21 offer an SWR resolution of 0.05. (1.00, 1.05 -- 1.95, 2.00). Segments 22--31, a resolution of 0.1 (2.1, 2.2 -- 2.9, 3.0), segment 32 = 5.0:1, 33 = 7.0:1,

35 = 20.0:1, 40 = 1000:1, and segment 42 = infinity. (And don't I love to mess around with SWR stuff! :-).

I think the meter is pretty spiffy and am using it full time now.

Regards, Russ Garner WA0UIG--Marion, Iowa--QRP-L 734

Date: Thu, 05 Jun 1997 16:26:14 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [20908] The NorCal Meeting Report
Message-ID: <2.2.32.19970605232614.00af58f8@fix.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

The June NorCal Meeting was one to remember. Gorgeous day, not too hot and what a great way to spend a Sunday. The restaurant was packed with QRP'ers, no kidding, standing room only much of the time.

The highlight of the June meeting was Doug Hendricks KI6DS presenting Ori Mizrahi-Shalom AC6AN with the First Place Plaque for winning NorCal's Dayton Design Contest with his 38 Special. He also presented Ori with a 38 Special tee shirt. Ori is so pleased with all the great things going on with the 38 Special, mods, different packaging not to mention the surge in populating the 30 meter band etc. If you ever get a chance to meet Ori do so.

We had some long distance guest too.

WA8TZG, Bill Meahan was out from Detroit Michigan. Bill makes a yearly trip to the West Coast and takes the opportunity to make a NorCal Meeting.

Norm Melick, KF6HSK came up from Bellflower California. He brought his very nice 38 Special in a Radio Shack modem case, a Tentec 1340 and St. Luis Tuner to show. For those who follow the QRP-L list, it is true Norm has a working 10 turn pot in the rig.

Jim Cates WA6GER was busy as usual signing up new members like Robert Story KE6CO of Fremont California and providing 38 Special Kits.

David Meacham W6EMD, Stew Bowers WB6FBB, and Stan Cooper K4DRD were busy comparing Cascades with Wilderness KC2's in them.

Dave Stoddart W8FLL had his collection there including his highly modified Cascade and a 38 Special and 49er.

Jeff Grudin AC6KW brought KF6KLI Rachael Grudin his daughter age 9 and get this, she is a Tech Plus, likes working 40 CW and is about to build her first QRP rig. Jeffs gotta be proud of this young lady, oh yes he also brought along a home brew tuner.

KE6RIE Doug Hauff attended the NorCal Meeting a couple of months ago bringing with him his custom enclosures for his 49er and 38 Specials. Doug was surprised when those at the meetings asked him to provide the cases commercially. I am happy to report Doug is doing just that and came to the June meeting with a bunch of cases which didn't

last long and
is making more. You have to see one of his cases, really finishes off a
great radio in style.
What a thrill when Doug presented Ori with a case for his winning design,
the 38 Special.

It never ceases to amaze me at the talent and ingenuity of those in this hobby.
Mike Gipe K1MG has been working on a Clock Counter with programable offsets.
He has been bringing his creation with him to the NorCal Meetings for some
time and sharing
the evolution from breadboard with clip leads to a really nice finished module.
Mike announced at the meeting he is making this Counter Clock with programmable
offsets available very economically.

Wayne Burdick N6KR came with his superb SST. The SST reflects the same well
thought out design from start to finish that Wayne is known for. Very
compact and nicely
laid out this CW transceiver is available from Wilderness Radio on several bands.

Bob Tellefsen N6WG is always bringing something new to the meeting. This
time he
brought his just finished Island Keyer in an Altoids tin mounted on top of a
MFJ keyer case.
Nice as usual Bob.

Another exciting item came in the form of a QRP 300 Ghz CW transmitter.
This rig
accompanied Dave Fifield AD6AY. Dave says he is working on a matching
receiver and the
range should in the neighborhood of 20 to 50 miles line of sight of course.

Verne Wright W6MMA set up outside with his MMA St. Luis Vertical and loaded
it up on
20 with a MFJ QRP SSB rig out of the trunk of his car. Verne chuckled as he
worked
a kilowatt mobile station in another state.

WB6BOR Darrel Jones brought his collection of Altoids cases filled with
everything from Rainbow Tuners to 49'ers and even one with a digital clock
he built
for Doug Hendricks. The highlight though was his winner of the Combination
Class
in the Dayton Building Contest, his 38 Special/Rainbow Tuner in a ceramic
cabinet,
unique and very very nice.

Doug Hendricks KI6DS brought a rough copy of the next QRPP he is working on
to the meeting.

Doug with the help of the QRP community has put together another real winner. If you havent signed up for QRPP do so as this one is not only packed with great articles and photos it is going to be another collectors item.

The May Meeting was a happening in the NorCal tradition. Those attending casually arrived when it suited them, some bringing something to share. An easy going great time. You get to meet some really fine folks, see some great projects, share ideas and have a great time. Then, filter out the front door when you want and head to your destination with some great memories, maybe some new ideas. Now lets see, if I take the counter Mike has and put it into the,,,,ml;s,,,c,,,,,,,

Thanks for riding along with me at the June Meeting. I hope this report will provide you with a fair idea of what happened there. Thanks to all for sharing with me and putting up with my photo shoots.

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Thu, 5 Jun 1997 20:16:06 -0400
From: Craig LaBarge <LaBarge_C@compuserve.com>
To: QRP-L Mailing List <qrp-l@lehigh.edu>
Subject: [20909] Re: Dupsheets
Message-ID: <199706052016_MC2-17F1-C13C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

K5FO wrote:

> On ftp.lehigh.edu in /pub/listserv/qrp-l/forms is
> a file called dupsheet.ps.Z.

I also have a dupe sheet on my web page that I have been using for years.=

=

It's similar to the one Chuck describes, but I included a list of states and provinces for checking off multipliers as you work them. =

It's a plain text file and you can find it at:

http://ourworld.compuserve.com/homepages/LaBarge_C/

73, Craig WB3GCK

Date: Thu, 05 Jun 1997 20:24:19 -0700
From: Harry Bump <bump@redrose.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [20910] Re: Custom 38 Special Enclosures
Message-ID: <339782E3.24C2@redrose.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kory Hamzeh (by way of Jerry Parker <jparker@fix.net>) wrote:

>
> Does anyone know if this enclosure can fit the 5 watt mod? There is no
> phone number or e-mail address listed for the manufacturer.
>
> Thanks,
> Kory
> AC6RN
>
> *****
>
> The Custom Enclosure accomodates the 5 watt mod and the tick mod nicely.
>
> The Custom Enclosure page is <http://www.fix.net/~slmachco>
>
> The email address for Doug is slmachco@fix.net
>
> Enjoy,,,72,,,Jerry...WA6OWR...K

The picture of the inside of the rig, inside the enclosure shows what looks like the final amp brick on one inside wall of the box.

Take a look for yourself!

73,

Harry Bump, KM3D

Contest shareware author (DOS) PA1200m: PA QSO Party
CA1200m: Calif QSO Party
(available on ARRL MI1200m: Mich QSO Party
page and others or FD1200m: Fieldday
direct) CWI: PC CW keyboard

OUTLAW WIRELESS LEAGUE (1996 PA QSO Party Small Club Gavel)
QRP-ARCI #3875 - - - - - NORCAL #1295 - - - - - QRP-L #637

Date: Thu, 5 Jun 1997 18:42:30 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-1@Lehigh.EDU
Subject: [20911] 50/40/30 Freq?
Message-ID: <19970605.184231.9854.1.gsurrency@juno.com>

What is the typical frequency that the 50/40/30 operations are held on?
I've listened during the past several events, and heard nothing. Maybe
its propagation, or my antenna fell down? :-(

Tnx and 72,

Gary Surrency AB7MY
QRP-L #571 Chandler, AZ (near Phoenix) Grid Square DM43BH
Az ScQRPions

Date: Thu, 05 Jun 1997 18:45:05 -0700
From: Norm Melick <henmel@worldnet.att.net>
To: kory@avatar.com
Cc: qrp-1@Lehigh.EDU
Subject: [20912] Re: Custom 38 Special Enclosures
Message-ID: <33976BA1.1D78@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kory Hamzeh wrote:

>
> Does anyone know if this enclosure can fit the 5 watt mod? There is no
> phone number or e-mail address listed for the manufacturer.
>
> Thanks,
> Kory
> AC6RN
Hello Kory,

I saw and bought the enclosure from Doug Hauff/KE6RIE at the June NorCAL meeting. It will accomodate the current mods. It is a tight fit, but if you use the recommended parts list that comes with the enclosure, everything will fit. The only thing you will have to do is fabricate a heat sink for it. Doug custom built a beautiful heatsink that I wish I had. He also has assembly instructions to help you install the 38S board and parts.

The enclosure is a tough, beautiful piece of work. I think anyone who buys it will love it.

Norm Melick

Date: Thu, 5 Jun 1997 18:43:00 -0500
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: turner@safety.ICS.UCI.EDU, qrp-1@lehigh.edu
Subject: [20913] Filters
Message-ID: <M1937071.001.c0pm0.1.970606021033Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Clark:

I have a TS-180 (Ol' Kenwood to his friends) that I have installed cascaded cw filters in.

The I.F. allows broad and narrow cw filters, in which broad uses an ssb filter at the back end of the I.F. strip.

I installed my narrow cw filter in the front end and the 500 Hz filter at the back, in place of the ssb filter. The narrow filter didn't fit the holes on the I.F. board, so I mounted it where I could, connected with RG174 coax. The metal case is grounded with very soft and flexible copper strips, with an electrically conductive adhesive.

With this arrangement, I don't detect any blow by, although it may be there,

just low enough that it isn't a problem.

If you can find some of the soft copper strapping, it is great for little shields, and grounding things in metal cans.

73, Bob N6WG

Date: Thu, 5 Jun 1997 18:59:00 -0500
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: qrp-1@lehigh.edu
Subject: [20914] 24 Hr Clocks Progress
Message-ID: <M1937072.002.c0pm1.1.970606021034Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Hey, this thing's growing. Must have about 15-16 replies by now.

I would like to see at least 20 or so, so I can give a useful summary to everyone else that's hunting a decent clock too.

It's Thursday evening now. If you have a good reference for a 24 hour clock, please post or email me.

I'll summarize everything after I download Friday's digest (on Saturday). Hope to make it worth the effort of everyone who has chipped in so far.

Again, if you can recommend a 24 hour clock and/or source, please get it to me.

Thanks and 72, Bob N6WG

Date: Thu, 5 Jun 1997 22:05:42 -0300
From: "Alan Slusher" <slusher@sunbeach.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <tis@arrl.org>
Subject: [20915] ARRL's QST Back Issues on CD-ROM
Message-ID: <01094450002551@sunbeach.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Has anyone had any problems installing these? I purchased the entire set 1970-94, but have not been able to install the 1980-84 group. The other sets (1970-74; 1975-79; 1985-89; and 1990-94 - as well as the single issues

for 1995 and 1996) went in with no trouble whatsoever. However, the 1980-84 stalled. I sought and received replacement disks from the ARRL, but have experienced the same problem. Tried another machine: no luck either (my machine has an AMD 586-133Mhz chip, a 730 mb hard drive compressed with Win95 Plus, and 24 mb of ram). I have about 170mb free on the hard drive, and the windows resource meter said 79% was available.

The error message (when attempting to install using the Win95 "run" command) says:

Warning

c:\windows\~ssetup directory already exists. Would you like to delete it?
Yes/No

Selecting "yes" results in a repetition of the same message.

Selecting "no" results in the cancellation of the entire exercise, and a return to the desktop.

Attempting to run the setup.exe file on the installation cd from DOS produces the same result, as does trying the installation procedure using the install/remove utility in "My Computer".

Attempts to read from any of the three disks in the 1980-84 group results in a blank window, where the text and pictures normally appear. This appears to be the expected result if the set has not been "installed".

Michael Tracy at ARRL had suggested I return the disks the first time I had the problem. I am now wondering whether there is a problem with the whole batch of installation disks for this set.

Any help would be greatly appreciated.

Alan 8P9BM

All the other sets run fine

Date: Thu, 05 Jun 1997 22:52:53 -0400
From: Michael <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [20916] Re: 50/40/30 Freq? Antenna down???
Message-ID: <33977B85.B23@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> I've listened during the past several events, and heard nothing. Maybe
> its propagation, or my antenna fell down? :-(

Don't laugh.

Last week I thought 20 sounded *really* dead so I put my RF-1 on the
line.

Very high SWR. :-(

Found one leg of my antenna broken at the center insulator.

About two months ago 40 died while I was listening.

A squirrel had bitten through the feedline.

I promise I won't use my lightweight field antennas at home anymore. :-)

michael N6CHV

Date: Fri, 06 Jun 1997 00:31:18 EDT
From: w7rfm@juno.com (John E Hirsch)
To: kd7s@psnw.com
Cc: qrp-1@Lehigh.EDU
Subject: [20917] Re: Bootlegger Alert
Message-ID: <19970605.212943.3422.0.w7rfm@juno.com>

It is not my call but a friend W5DX told me last night that some one had
been bootlegging his call since he has recived QSL for dates , times , and
Freqs which he said he was not on the are and has no capabilities on
being on that
Freq.

Come to think about it I have recived several cards from people I do not
remember working. I thought That maybe I had just forgotten to log them
in my log book!!!
I generally do not make that kind of mistake, but I thought there might be
a first.

John W7RFM

On Thu, 05 Jun 1997 11:28:02 -0700 Bill Jones <kd7s@psnw.com> writes:

>Friends,

>

>Someone has been bootlegging my call. I've received several QSLs from
>people whom I've not worked. If you hear someone using KD7S and they
>are NOT QRP, it isn't me. If you work me and ask for my qrp-1
>membership number and you don't get a two-digit number, it isn't me.

>--

>=====

>Bill Jones - KD7S

>Sanger, California

>Reply to kd7s@psnw.com

>=====

>

>

Date: Thu, 5 Jun 97 21:58:14 PDT
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-1@Lehigh.EDU (qrp)
Subject: [20918] Bootlegger Alert a caution
Message-ID: <9706060458.AA21575@wizard.ucs.sfu.ca>

While I don't deny that bootleggers can be, and are a problem, don't assume someone is deliberately using your call just because you receive cards for QSO's you didn't make. Some times it can simply be a "busted call" as they say in contest circles. I know that a few cards for qso's I made (or should I say I attempted to make) have gone to VE7CQ because for some reason people seem to have trouble with the letter "K" when it is at the end of the suffix. I'm sure you can think of other combinations which can lead to confusion.

cheers, Paul
ve7cqK (charlie quebec kilowatt ... canada queen KING !!!!!!! ;-)
email: paul1@wizard.ucs.sfu.ca

Date: Fri, 6 Jun 1997 04:30:03 GMT
From: k8cv@juno.com (Walt D Amos)
To: qrp-1@Lehigh.EDU
Subject: [20919] Selling stuff
Message-ID: <19970606.052708.9926.5.k8cv@juno.com>

>From the sellers point of view.....all he wants to do is get rid of his old junk and buy some new junk or kit. MANY times he is hoping for a buyer and gets NONE. When the first one takes the bait and sends his certified check that is a pain in the butt to get and has it returned because more people called and everyone went into the hat and he lost , you now have one mad ham. You can also read between the lines and see

that if the seller is offered a higher price as some of these jokers put in OB0 , etc, etc.....:-(this can turn into a can of worms.

Best way to do it is subscribe to the yellow sheets or listen to the traders net on 3898 and have an idea what you think your golden piece of priceless equipment is really worth. Which is about 25% off list if it is still in production and 33% if it is a boat anchor. When you can't move it at those prices, cut it to 50% or keep it.

Your milage may be different..... :-)

or whatever !

Walt K8CV

We're just a small sub-group of an eclectic corner of a dying hobby.....

Date: Thu, 05 Jun 1997 22:19:44 -0700
From: Frank <frank001@postoffice.worldnet.att.net>
To: slusher@sunbeach.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20920] Re: ARRL's QST Back Issues on CD-ROM
Message-ID: <33979DF0.7290@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alan Slusher wrote:

>
> Has anyone had any problems installing these? I purchased the entire set
> 1970-94, but have not been able to install the 1980-84 group. The other
> sets (1970-74; 1975-79; 1985-89; and 1990-94 - as well as the single issues
> for 1995 and 1996) went in with no trouble whatsoever. However, the
> 1980-84 stalled. I sought and received replacement disks from the ARRL,
> but have experienced the same problem. Tried another machine: no luck
> either (my machine has an AMD 586-133Mhz chip, a 730 mb hard drive
> compressed with Win95 Plus, and 24 mb of ram). I have about 170mb free on
> the hard drive, and the windows resource meter said 79% was available.
>
> The error message (when attempting to install using the Win95 "run"
> command) says:
>
> Warning
> c:\windows\~ssetup directory already exists. Would you like to delete it?
> Yes/No

>
> Selecting "yes" results in a repetition of the same message.
> Selecting "no" results in the cancellation of the entire exercise, and a
> return to the desktop.
>
> Attempting to run the setup.exe file on the installation cd from DOS
> produces the same result, as does trying the installation procedure using
> the install/remove utility in "My Computer".
>
> Attempts to read from any of the three disks in the 1980-84 group results
> in a blank window, where the text and pictures normally appear. This
> appears to be the expected result if the set has not been "installed".
>
> Michael Tracy at ARRL had suggested I return the disks the first time I had
> the problem. I am now wondering whether there is a problem with the whole
> batch of installation disks for this set.
>
> Any help would be greatly appreciated.
>
> Alan 8P9BM
>
> All the other sets run fine

I have the 1980-84 set of CD-ROMS. They installed with no problem on my
machine - a 90 Mhz Pentium. Same goes for the other three sets of QST
CD-ROMS I have.

Frank W6EV

Date: Fri, 6 Jun 97 02:47:23 UT
From: "DANIEL DOBSON" <DAN DOBSON@msn.com>
To: "Paul Harden" <pharden@aoc.nrao.edu>, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
Subject: [20921] RE: Queensryche update
Message-ID: <UPMAIL11.199706060344440100@msn.com>

Hey there,

Ya know, I think that Queensreich (sp?) band played on "Louisiana Hayride"
back in the early 60's.

C'mon ole timers, we all remember the "Hayride"!

Dan KG9KF

From: owner-qrp-1@Lehigh.EDU on behalf of Paul Harden
Sent: Thursday, June 05, 1997 7:01 PM
To: Low Power Amateur Radio Discussion
Subject: Queensryche update

Gads, never know what turns this group of fellas on. Have received gobs of private email over the Queensryche concert at the VLA tonite, so a couple of general answers to questions received.

1. Yes, I'm taking a disposable camera to catch a few choice photos. I'll make them available to those who want them.
2. If there's T-shirts and stuff for sale, I'll pick up a few to pass on a first-come, first-served basis.
3. The concert will be broadcast TONITE (thursday) starting at 9pm mountain time. The info I have is they will be using satellite SBS-6, transponders 11B and/or 12B for the direct uplink (Ku band satellite at 74 degrees west).
(I have a complete list of frequencies for the bands wireless mikes, guitars, mixers, etc. so we can monitor for RFI to the antennas, but would probably be fired if I published them here :-)
4. This concert is being produced by EMI Records.
5. They're supposed to make a poster available to us with the VLA in the background during the laser light show. That will be a month or so away, but will try to get as many as I can. Remember, the observatory's PR guy is a fello QRPer, so I do have a kinda in with the guy -hi.
6. Yes, yes, yes ... I'll be taking earplugs. Thanks for your concern.
7. Yes I know this has nothing to do with QRP. Sorry.
8. No, I am not a Queensryche fan. In fact, never even heard of them until all of this started last week. But years ago, I was known to listen to Pink Floyd and Led Zepplin. Does that count?

72, "Heavy Metal Paul" NA5N

Date: Fri, 6 Jun 1997 01:45:20 -0400
From: Tony Fishpool <G4WIF@CompuServe.COM>
To: Stephen Gibson <SWGibson@worldnet.att.net>
Cc: QRP List <qrp-1@Lehigh.EDU>
Subject: [20922] GQRP address
Message-ID: <199706060145_MC2-17F2-60C1@compuserve.com>
MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Steve & the list,
The address you want is:-

Mr. Mike Kilgore KG5F
10000 Walnut Street #2062
DALLAS
TX 75243
U.S.A.

I have updated the G-QRP club homepage in case you need this information again. While I have the opportunity, my thanks to all who have taken the trouble to make kind comments about the new website. I'm not sure yet if its "do-able", but I would like to have a members look up section, so you can check your membership status. I am ploughing through a two-inch thick \$60 HTML book at present trying to make it work.

Kind Regards
Tony - G4WIF
<http://ourworld.compuserve.com/homepages/g4wif/gqrp.htm>

Date: Fri, 6 Jun 1997 01:51:02 -0400
From: Scott Bauer <ke3nv@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [20923] Emtech 30 meter rig and BCI
Message-ID: <199706060551.BAA09822@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Group,

I wonder if anyone using the Emtech 30 meter rig is having a BCI problem in the evening hours. After dark, my rig receives a DX broadcast station throughout the entire 30 meter band. I am not a genius or an electrical guru, but I think the signal is within the 12 mhz IF. I can tune the entire 30 meter band and hear the same broadcast station. Even with the optional Emtech filter this problem occurs. Has any one else had this problem? Even better, does anyone have a fix to the problem. I sure would appreciate hearing from anyone that has solved this problem or might know what the problem is so I can use the rig

in the evening without BCI.

By the way, dont let this scare you off if you were thinking of buying the 30 meter kit. This rig is really hot! The receiver is great, esp with the the variable bandwidth control and the optional filter. Im sure there is an easy fix. I just dont know what it is yet :-)

Thanks for any help.

72, Scott W3CV email ke3nv@erols.com

Date: Fri, 6 Jun 1997 03:13:58 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [20924] Ionospheric Modification Experiment
Message-ID: <2.2.16.19970606010240.3eafde80@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I will be heading down to Puerto Rico in 10 days to participate in an ionospheric modification experiment. We will be running 4 x 125 kW at 3.175 and (maybe) 4.45 MHz. The antennas are a vertical firing phased array of LPs, but it would be interesting to know if anybody can hear us on the mainland.

We are scheduled to operate as follows:

6/16 15:00 - 20:00 AST (EDT)
6/17 14:00 - 19:00
6/18 15:00 - 20:00
6/19 16:00 - 21:00
6/20 16:00 - 21:00

The heater transmissions will be a long (5 - 10 seconds) pulse followed by 10 to 20 seconds of short (10 us) pulses. During the long pulses, enhanced propogation may exist over Puerto Rico (city of Arecibo). Depending on the aspect angle, the modified volume will reflect signals from ~28 MHz on up to ~900 MHz. For you VHF weak signal types, think =ENHANCED= FAI propogation. Waves generated by the heating will also produce doppler shifts equal to the heater frequency (Tx at 144 MHz, and the signal may be receivable at 144+/-100Hz AND +/- 3.175 MHz). The modified volume will be 200 to 300 km above the island.

I plan to take my HW-8 down with me, and will try to be active when I'm not working.

72,

John

@~~~

@ John Elder, Ko6TS

@ PHROG (Pagan Ham Radio Operators' Guild)

@ Box 232, El Segundo, CA 90245

@ So many fools, so few comets . . .

Date: Fri, 6 Jun 1997 08:03:50 -0400
From: rerobins@unccvm.uncc.edu (Rick Robinson)
To: qrp-1@Lehigh.EDU
Subject: [20925] Badger question for Nils
Message-ID: <v02130501afbd748f09db@[152.15.144.13]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Two guys over on the boatanchor list use badgers to spray paint old metal radio cabinets. How do you fill the badger with paint? Won't this make them kinda mad?

Inquiring minds want to know.

72,

Rick kf4ar

Date: Fri, 6 Jun 97 08:05:45 EDT
From: Clark Fishman <cfishman@pica.army.mil>
To: qrp-1@Lehigh.EDU
Subject: [20926] Motorola MC13030 Chip
Message-ID: <9706060705.aa24612@pa1.pica.army.mil>

I have gotten several requests for more info on the chip...
The best way to get info is to get onto the Motorola Semiconductor web site and you can get a data sheet direct download or by fax back... also can get contacts for getting samples...

Good Luck...by the way it is a cheap chip probably about \$3

Clark WA2UNN

Date: Fri, 6 Jun 1997 08:44:03 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [20927] New SST pic
Message-ID: <Pine.LNX.3.93.970606083829.507A-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For those (like me) anxiously waiting any info on the SST. There's a new picture on the Wilderness page (www.fix.net/~jparker/wilderness/sst.htm). Maybe Wayne will comment, but I think this is the radio he had at the hospitality suite at Dayton.

And since this a "Paint ur own case" rig, anyone know where I can get some of that HeathKit greenish color for my new WayneKit?

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV QRP WAS 15/9 (w/c) | ccart@erols.com --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | <http://dns.vidtel.com/~ccart> --
-- WIMPS Q's=02 30M=02 17M=00 12M=00 STATES=02/00/00 DX=00/00/00 QSL's=00 --

Date: Fri, 6 Jun 1997 08:03:00 -0500
From: steam@megsinet.net (Michael Pender)
To: <paul1@wizard.ucs.sfu.ca>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20928] Spam list?
Message-ID: <19970606130034908.AAB100@ns1.megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I thought this was a QRP list. QRP,,, get it???
Low power discussion, equipment, etc???
Anybody there???

> From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Bootlegger Alert a caution
> Date: Thursday, June 05, 1997 11:58 PM
>
> While I don't deny that bootleggers can be, and are a problem, don't
> assume someone is deliberately using your call just because you receive
> cards for QSO's you didn't make. Some times it can simply be a "busted
call"
> as they say in contest circles. I know that a few cards for qso's I made
> (or should I say I attempted to make) have gone to VE7CQ because for some
> reason people seem to have trouble with the letter "K" when it is at the
> end of the suffix. I'm sure you can think of other combinations which
> can lead to confusion.
>
> cheers, Paul
> ve7cqK (charlie quebec kilowatt ... canada queen KING !!!!!!! ;-)
> email: paul1@wizard.ucs.sfu.ca
>
>

Date: Fri, 6 Jun 1997 08:04:37 cst
From: w8lrm@juno.com (Albert K. Rea)
To: qrp-1@Lehigh.EDU
Subject: [20929] Ten Tec Accessories
Message-ID: <19970606.080819.3663.0.w8lrm@juno.com>

Hi Gang.

1. Just recieved the matching Power Supply for my Argonaut 515. Thanks to Paul Goemans WA9PWP.
Paul--I lost your e-mail address but the box got here in fine shape. Thanks again.

2. Now, I wonder if they ever made the Xtal Calibrator in the dark Charcoal or Black to match the 515 ? I have one in the Tan color that matches the 509 but that looks funny sitting next to the rig.

3. Was there a matching antenna tuner for this series ??
I don't recall seeing one but I was not on HF when these
rigs came out.

4. I also have a Ten Tec KR-20A keyer. I have no info on it
but it appears to be working. Does anyone have the instructions
they could copy and send to me. I would be happy to pay reason-
able copy costs.

Enjoyed FIDM again this year and meeting all the QRPers
from around the world.

72/73 I'm ready for FIDM 1998, are you ???.....

Date: Fri, 06 Jun 1997 09:14:22 -0400
From: Ed Pacyna <pacyna@auratek.com>
To: qrp-l@Lehigh.EDU
Subject: [20930] QEX Subscribers take note
Message-ID: <3.0.16.19970606091421.2d3f58ce@galaxy.auratek.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QEX has been 3 to 4 issues behind going on almost 2 years now.

Since I have not received an issue for over 2 months, I sent several email
inquiries. Yesterday, I received a reply which said that the publication of
QEX has been suspended and that subscribers would receive a letter
regarding this matter.

73

Ed, W1AAZ

Date: Fri, 6 Jun 1997 08:26:54 -0500
From: Brian Cieslak <brianc@ams-i.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [20931] vaniyt call help
Message-ID: <c=US%a=%p=Adaptive_Micro_S%l=AMS-I_SERVER_1-970606132654Z-499@ams-i-
server-1.ams-i.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Ok...I finally decided to give in and try to change my call...
could someone email me and teach me how to do it online..

Brian AE9K (hopefully someday w9bc or n9bc or k9bc or bust)
brianc@ams-i.com

Date: Fri, 6 Jun 1997 06:28:48 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Raventhorne <jelder@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [20932] Re: Ionospheric Modification Experiment
Message-ID: <Pine.BSI.3.95.970606062421.19236A-100000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 6 Jun 1997, Raventhorne wrote:

>
> I will be heading down to Puerto Rico in 10 days to participate in an
> ionospheric modification experiment. We will be running 4 x 125 kW at 3.175
> and (maybe) 4.45 MHz. The antennas are a vertical firing phased array of
> LPs, but it would be interesting to know if anybody can hear us on the
> mainland.
>

Sure glad to hear that the Ionospheric Modification Facility is still in full use. I did the theoretical design and scaled modeling of that antenna as my Master's thesis in 1977-1979, spending the summer of 1978 down there. Interesting project. It was one of the first non-military applications of NEC and AMP (early version of NEC). I can still operate an HP8505 vector voltmeter with both eyes closed as a result of all the field testing.

Good beer, too.

I gotta go.

Regards,

Chris

/-----
/ If you understand it, \
/ then it's obsolete! \
\ -----

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Graphics by Loek Frederiks

Jim Fitton, NE
Dave Little, AZ
Paul Stroud, NC
Preston Douglas, NYC
Buck Switzer, MI
Bill Todd, WA
Jim Cates, CA

and a multitude of others. There are a bunch of clubs out there, let's hear from you. Take a minute and just do it.

dit dit es tnx

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=032 30m=21 17m=5 12m=0 States=19/05/00 DX=03/00/00 QSLs=012

Date: Fri, 6 Jun 1997 06:42:52 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Clark Fishman <cfishman@pica.army.mil>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20934] Re: Motorola MC13030 Chip
Message-ID: <Pine.BSI.3.95.970606062958.19236B-1000000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 6 Jun 1997, Clark Fishman wrote:

>
> I have gotten several requests for more info on the chip...
> The best way to get info is to get onto the Motorola Semiconductor
> web site and you can get a data sheet direct download or by fax back...
> also can get contacts for getting samples...
>

I have looked at the data sheet for this part and have done some testing on it. It's fairly nice, but the internal AM detector (just a diode) leaves a lot to be desired. This is a nice part for the intended market (consumer car radios), but I have made a much simpler and consequently less expensive AM/DSB/SSB/CW receiver using an NE605 with the limiter and Gilbert Cell demodulator acting as a synchro-phase detector.

The MC13030 itself is inexpensive, but the external parts, particularly the single-source IF transformers, push the cost up. Mine uses a pair of MuRata (or Toko or NTK) ceramic filters and NO transformers. Of course, this may be a matter of one person's approach versus another's, but parts cost and availability is always an issue.

I gotta go.

Regards,

Subject: [20936] Re: Bootlegger Alert
Message-ID: <1.5.4.32.19970606140126.006b76e4@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dana - K6JQ Wrote:

>Hmmm.... Queensyche is OK, but Megadeath would really rock - and
>Metallica would put 'em both to shame....
>
>None of these bands are QRP, though.
>
>;-)
>
>Dana K6JQ
>Dana@Source.Net

Heck - the best band of all time has to be DEVO. Though I understand that the Eagles were pretty good...and sold a few records <grin>.

BCNU,
CUL - Bill-N7MFB
<http://www.techline.com/~bill>

Date: Fri, 06 Jun 1997 07:01:28 -0700
From: Bill Todd <bill@techline.com>
To: nwq-l@scn.org
Cc: qrp-l@Lehigh.EDU
Subject: [20937] FD 97' (new) Update
Message-ID: <1.5.4.32.19970606140128.006b9b40@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here is a short list of states and respective QRP operations - to date.

FLORIDA
The Guano Reef Bashful Perverts.

OHIO
CQrp's (Columbus QRP Club).

Athens County Amateur Radio Ass'n (ACARA).

VIRGINIA

Williamsburg Area Amateur Radio Club - Club Callsign K4RC.

COLORADO

Colorado QRP Club - Club Callsign W0CQC.

Ski Country ARC, - Club call K0RV.

MISSOURI

St. Louis QRP Society

MICHIGAN

Utica Shelby Emergency Communications Assn. (USECA).

NEW JERSEY

New Jersey QRP Club.

NEW YORK

Brockport Amateur Radio Club.

Still looking for other QRP Club Field Day plans...

BCNU,

CUL - Bill-N7MFB

<http://www.techline.com/~bill>

Date: Thu, 05 Jun 1997 21:23:39 +0800

From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>

To: steam@megsinet.net

Subject: [20938] Re: Spam list?

Message-ID: <3396bdef.pandora@pandora.lugs.org.sg>

On Fri, 6 Jun 1997 08:03:00 -0500, "Michael Pender" <steam@megsinet.net> wrote:

> I thought this was a QRP list. QRP,,,, get it???

> Low power discussion, equipment, etc???

> Anybody there???

Hi Mike,

Actually this is more like the QRP community and as with all

communities, there is always the healthy diversion and that is allowable. In fact they are often welcome diversions. The fabric of this community is not held together by the purely technical aspect of QRP alone. Part of what makes this list special is the way QRP-ers relate to one another and I believe that it is an aspect which is as important as any other.

So, if it relates to a QRP-er, it is probably passable here. So, we're not just a QRP related list, we're also a QRP-er related list. Hope this explains why badgers and bootleggers often appear here.

72 de 9V1ZV Daniel

```
--
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      | danwee@singnet.com.sg    |
| QRP-L #667 | 9V1ZV@amsat.org          |
+-----+-----+
--
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      | danwee@singnet.com.sg    |
| QRP-L #667 | 9V1ZV@amsat.org          |
+-----+-----+
```

Date: Fri, 06 Jun 1997 10:31:18 -0500
From: Christopher Moore <christopher.moore@snet.net>
To: qrp-l@Lehigh.EDU
Subject: [20939] Ladder line fed antennas
Message-ID: <1.5.4.16.19970606153118.531f79fc@mail.snet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang:

One of the arguments I've heard against balanced fed antennas is the lack of a ground to protect against lightning. Suppose we had a dipole fed with balanced line connected to the rig via an antenna tuner. How do we prevent potential damage from lightning striking the antenna and radiating down the feedline into the shack? What kind of a ground system could we put on the tuner?

73, Chris

Date: Fri, 6 Jun 1997 07:57:03 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list server" <qrp-l@Lehigh.EDU>
Subject: [20940] Badger question for Nils
Message-ID: <199706061458.JAA17767@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Of course, Nils is the expert; but I've seen a few do this. The trick seems to be to get the badger just angry enough that he clenches and bares his teeth. Assuming you have already filled the badger with paint (thinned slightly; add a twist of lemon), you can gently hug him like a set of bagpipes and the teeth make a very effective spray nozzle. I am told that this does not injure or hurt the badger in any way, and in fact, some badgers can be trained to be willing partners in the process.

The finished product has a very distinctive texture, known as a "badgered" paint job. It's kind of like "prestressed" reproduction antique furniture finish.

Hope this helps.

Mike K1MG

>
> Two guys over on the boatanchor list use badgers to spray paint old metal
> radio cabinets. How do you fill the badger with paint? Won't this make
> them kinda mad?
> Rick kf4ar

Date: Fri, 06 Jun 1997 10:59:03 -0500
From: Christopher Moore <christopher.moore@snet.net>
To: qrp-l@Lehigh.EDU
Subject: [20941] Re: vaniyt call help
Message-ID: <1.5.4.16.19970606155903.607f2230@mail.snet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I had the same idea last week. I pulled up the online form but didn't get much further. There didn't appear to be a way to return the form

electronically. I think they want you to print it on your printer and send it snail-mail with your \$30.

I was hoping that there wouldn't be a charge if you filed electronically.

73, Chris

Date: Fri, 06 Jun 1997 11:07:01 -0400
From: Ed Pacyna <pacyna@auratek.com>
To: qrp-1@Lehigh.EDU
Subject: [20942] Re: Band-width and Filters
Message-ID: <3.0.16.19970606110700.2f675dde@galaxy.auratek.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>For what it's worth, in my shack the requirements are:

>Primary: increase the signal-to-noise ratio by decreasing the bandwidth.

>Secondary: reduce the loudness of the QRM to protect my ears.

This might make sense operating on the VHF/UHF bands.

Decreasing the bandwidth by half will only improve the signal to noise ratio by 3dB ($10 \log (BW(\text{Wide})/BW(\text{Narrow}))$). Far, far more performance and benefit will result by designing and using better filters (with the focus on shape and stopband attenuation, and not bandwidth).

HF receivers do not need more sensitivity. The low level signal capability in even the most simple designs is already far more than needed and the MDS (minimum discernible signal) is limited by other factors (some of which we can control and others we can not).

Examples are atmospheric, man made, device, phase noise, distortion products.

Statements like "my "QRP #0% can hear everything refined, well designed radio can hear" may be true but should not be taken a figure of merit. There is a big difference between "hearing" and "hearing well". In fact more sensitivity (than necessary to get the job done) has been shown to degrade performance.

On the other hand, if strong nearby signals (in front of mixers, at I.F. etc.) are not properly attenuated (because to poor filter skirts or stop band), guess what.

73

Ed, W1AAZ

Date: Fri, 06 Jun 1997 11:04:21 -0400 (EDT)
From: n4js@amsat.org
To: qrp-1@Lehigh.EDU
Subject: [20943] Tick Keyer+ NWxx, SWxx ??
Message-ID: <XFMail.970606110615.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

Before I start experimenting, has anyone interfaced the TiCK keyer with the NWxx and/or the SWxx kits? Just looking for the best place to hook up the sidetone.

Sent at 11:06:15 on 06-Jun-97

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@n4js.ampr.org NJ Grid:FM29LN
<http://www.qsl.net/n4js> NJ-QRP #57 QRP-L #884
QRP-ARCI #9328 CQC #443 CQrp #50
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
WIMPS Qs=025 30m=22 17m=3 12m=0 States=08/02/00 Countries=12/02/00

Date: Fri, 06 Jun 1997 08:30:43 -0700
From: David Adams <adamsclan@netgate.net>
To: qrp-1@Lehigh.EDU
Subject: [20944] And while we are on the subject
Message-ID: <33982D23.B24@netgate.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anyone put a tick in the HW8 (a rig with one of the ugliest sidetones I have ever heard)? I'm planning on sticking one in mine prior to heading off to France and if someone has already worked out the connection points then that leave me more time for figuring out a convenient way to power the sucker....

73 de dave, n9uxu

Date: Fri, 6 Jun 1997 11:28:56 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-1@Lehigh.EDU
Subject: [20945] RE: Ladder line fed antennas
Message-ID: <41337.owen@piper.eeel.nist.gov>

In message Fri, 06 Jun 1997 10:31:18 -0500,
Christopher Moore <christopher.moore@snet.net> writes:

> Hi Gang:
> One of the arguments I've heard against balanced fed antennas is the lack
> of a ground to protect against lightning. Suppose we had a dipole fed
> with balanced line connected to the rig via an antenna tuner. How do we
> prevent potential damage from lightning striking the antenna and radiating
> down the feedline into the shack?

We can't protect the system, if connected to the feedline, from a DIRECT strike to the antenna. The best thing to do is to somehow disconnect the feedline from the antenna and connect to ground. Use a knife switch to do it without having to remove nuts and switch the line to different terminals. Then if the antenna is hit the only thing that smokes (hopefully) is the antenna and feed line. You can also use a gas discharge arrestor from each side of the line to ground for more protection but you should still ground the antenna when not using it.

> What kind of a ground system could we put on the tuner?

Just use a 6-10 ft ground rod as close to the rig as possible and connect all equipment including the tuner to it.

What we can usually protect against is an induced voltage into the antenna from a close strike. We can connect a resistor from each line to ground to bleed off static voltage. The value of the resistor should be about 10X the maximum impedance of the antenna at the operating frequency. Since a tuner will seldom tune an antenna with an impedance higher than 5-10K ohms a resistor of 50K-100K will be fine. The tuner and rig will not see it and slowly building charges will be drained to ground. We could also use the gas discharge tubes as added protection but I've never done this and not had a problem even from strikes as close as 500 ft. You can do the same thing with a coax fed antenna--use about a 10K ohm here. Use 1 or 2 WT resistors as they are easier to work with. 73 Jim K4CGY

Date: Fri, 06 Jun 1997 08:43:25 -0700
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
To: qrp-1@Lehigh.EDU
Subject: [20946] QRP Forum at Hamcom
Message-ID: <3.0.1.32.19970606084325.006d1dfc@telis.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Chuck Adams and I will be speaking at the QRP Forum at HamCom in Dallas tomorrow. I believe our time slot is 11:00 AM to 1:00 PM. Hope to see and meet all of the SW USA QRPers in attendance. When you see Chuck and I together, it will be easy to tell us apart, I am the good looking one. We have a QRP surprise to show you, the debut of a new commercial product, #1 off the assembly line. It is NOT a new NorCal Kit, but a commercial product. No hints, see you tomorrow. 72, Doug, KI6DS

Date: Fri, 6 Jun 1997 10:54:33 -0500
From: rhilto - Robert Hilton <rhilto@acxiom.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [20947] Badgers
Message-ID: <c=US%a=_%p=Acxiom_Corporati%l=P0-CONWAY-1-970606155433Z-880@po-conway-1.conway.acxiom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

>
>The trick seems to be to get the badger just angry enough that he clenches
>and bares his teeth. ... you can gently hug him like a set of bagpipes and
>the teeth make a very effective spray nozzle.
>
>Mike K1MG

Depending on the intended target, you can sometimes get better results by holding the badger's mouth shut, turning him (her?) around before hugging, and using the bushy tail as a pressure-fed paint roller.

Bob n5xi

Don't be surprised if you see a halo around my head. It should be expected. After all, light bends around incredibly dense objects.

Date: Fri, 06 Jun 1997 10:54:54 -0500
From: James Parsons <k5rov@worldnet.att.net>
To: adamsclan@netgate.net
Cc: qrp-1@Lehigh.EDU
Subject: [20948] Re: And while we are on the subject
Message-ID: <339832CE.327E@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Adams wrote:

>
> Has anyone put a tick in the HW8 (a rig with one of the ugliest
> sidetones I have ever heard)? I'm planning on sticking one in mine
> prior to heading off to France and if someone has already worked out the
> connection points then that leave me more time for figuring out a
> convenient way to power the sucker....
>
> 73 de dave, n9uxu

Dave, I put a Tick-1 in one of my HW-8's, and it works great. I have made contacts with it and gotten excellent comments concerning the quality of the keying. I have built the CMOS II and the CMOS III, and they are great keyers. But, for small QRP type rigs, like the HW-8, the Tick-1 just cannot be beat. It is simple to build, easy to install, and about as cheap as you can expect.

I placed the control switch right under the meter on the HW-8. There is plenty of room for it there. I mounted it on the inner panel, and let the head of the switch stick out through a hole drilled on the face of the outer panel. The shaft of the switch is plenty long enough to be able to depress it without it actually being mounted on the front panel, and it looks good.

I mounted the keyer board on the rear panel, using two standoffs. These can be purchased from RS.

I opted to use two AA cells (3 volts) in a RS holder and "hook & loop" it to the left side of the inside of the HW-8. The four cell holder that RS sells is perfect, and I shorted the fourth battery position. I could have put in the 12 volt regulator and attached it to the DC input of the rig. However, when power is removed from the keyer, it returns to its default settings. I chose to use 3 volts from the AA cells and leave them on all the time. The batteries will easily last their shelf life. The keyer "sleeps" at 1 microamp, and uses very little current when actually in use. That way I don't constantly have to reset to my normal code speed, and other parameters.

Dave, I found that if you run the audio output of the TiCK-1 through a .01 capacitor to the white lead on the selectivity switch of the HW-8, you will get much better audio than you will from the transducer. I am a bit hard of hearing, and the transducer was just too hard for me to hear. You will get lots of audio using this method, and it sounds much better. Also, it saves needing, and having to mount the transducer. Remember, I am using just 3 volts on the keyer. If you use more, you may need less audio to the selectivity switch. I have not tried it with more voltage.

--

James (Jim), Parsons, K5ROV USAF, Ret.

k5rov@worldnet.att.net

EX: W1RLA, K5FBB, K4FEO, SVOWN (CRETE), SVOWN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).

JOHN 3:16

Date: Fri, 6 Jun 1997 15:40:54 GMT
From: k8cv@juno.com (Walt D Amos)
To: w8lrm@juno.com, qrp-1@Lehigh.EDU
Subject: [20949] Re: Ten Tec Accessories
Message-ID: <19970606.160556.9926.2.k8cv@juno.com>

There seems to be a lot of Argonaut 515 interest all of a sudden?

My manual is from 10/80 and I got it used on 4/10/82 after it had been back to the factory for a blown driver. Think the original owner was trying QRO :-)

Yes there are a lot of black boxes to attach to it.

>From QST January 81 the original price was \$389 bucks, they seem to be selling now for \$450 to \$550 , unbelievable :-))

210 power supply15 watts.....13 V at 1.2 A finish matches 515 \$33 bucks in 81

206a pulsed xtal calibrator, 25 and 100 kc finish matches 515, 81 price \$33

208A cw / notch filter, 3 positions bandwidth 450, 300, and 150 hz, "81" price\$37

Model 215P & 215PC Ceramic mikes, 200-4000 hz -50db

Model 214 / 234 Speech Processor & Microphone, 4 pole monolithic filter, 214 is an electret mike designed for the 234 processor, finis matches 515

Model 645 Dual paddle electronic keyer, magnetic paddle, speed 6-50 wpm, weighting 50% to 150%, Self completing characters, dit and dah memories with defeat switches. Paddle has 4 ball bearing pivots., finish matches 515.

Model 670 single paddle electronic keyer, speed 6-50 wpm, Self completing characters, Preset weighting (dit length increases apprx. 10% at 20 wpm)

Model 247 Antenna Tuner, matches balanced or unbalanced impedances, universal transmatch circuit, 46 tap inductor, 200 w intermittent, 100 watt continuous

Additional Crystals, Extend 10 meter coverage to 30mhz

model 212 29.0 to 29.5 MHz

model 213 29.5 to 30.0 MHz

I have finally put the 217 500 9 mhz filter in mine with RG-194 and work super. The articles appeared in qst September 81 by Steve Mann N4EY and also in monitoring times march 91 by Rich Arland K7YHA , there is a conversion article to 30 meters in the October 84 ham radio magazine by Raymond Henry AA4LL but that is for the 509. Another good article is in World Radio August 86 by Fred Bonavita W5QJM.

If anyone needs some of this stuff I can hand draw or zerox my old pieces of paper.

SASE and some coins please.

Walt K8CV

We're just a small sub-group of an eclectic corner of a dying hobby.....

On Fri, 6 Jun 1997 08:04:37 cst w8lrm@juno.com (Albert K. Rea) writes:

>Hi Gang.

>

>1. Just recieved the matching Power Supply for my

>Argonaut 515. Thanks to Paul Goemans WA9PWP.

>Paul--I lost your e-mail address but the box got here

>in fine shape. Thanks again.

>

>2. Now, I wonder if they ever made the Xtal Calibrator

>in the dark Charcoal or Black to match the 515 ? I have

>one in the Tan color that matches the 509 but that looks

>funny sitting next to the rig.

>

>3. Was there a matching antenna tuner for this series ??

>I don't recall seeing one but I was not on HF when these

>rigs came out.

>

>4. I also have a Ten Tec KR-20A keyer. I have no info on it

>but it appears to be working. Does anyone have the instructions

>they could copy and send to me. I would be happy to pay reason-

>able copy costs.

>

>Enjoyed FIDM again this year and meeting all the QRPers

>from around the world.

>

>72/73 I'm ready for FIDM 1998, are you ???.....

Date: Fri, 06 Jun 1997 10:12:33 -0600

From: Doug <doug@sunrise.alpinet.net>

To: qrp-1@Lehigh.EDU

Subject: [20950] Re: Ladder line fed antennas

Message-ID: <339836F1.28CD@alpinet.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Chris and the gang. I've used ladder line feeders for years here in the mountains and guess I've had either some good luck or my lightning protection system works acceptably.

My system uses home brew feeder built from 0.109 copper/steel and 2.5 inch spacers I got from Fair Radio. I used such heavy conductors to protect the line from snow and ice load in the Winter months, also to allow a long span to the pole...about 70 feet. I bought two lightning arrestors from Fair that were designed for power line use...3700 volt units. The arrestors are mounted at the termination point on the side of the house, where the line is transformed to coax by a balun and are grounded to an 8 ft rod at that point. The coax continues into the shack to a tuner, which is also bonded to my ground plate. The plate is mounted on the outside of the shack and tied to 300 ft of 750 mcm copper cable buried in the ground.

Some folks in the past used spark plugs mounted in a steel plate and grounded to protect open wire feeders, but these dont work well enough to pass anything but light currents from nearby strikes. Lightning has a tremendous amount of VHF energy in it and the spark plugs are high impedences at that freq, making them almost useless for discharge devices.

Dont use flat braid for ground conductors...it's about as conductive as a piece of hemp rope at lightning frequencies. Most modern ground systems use at least #2 copper wire for connection to the mat, and only crimped connectors...no mechanical, screw tightened lugs. However, for an amateur station, I'd go for whatever you can come up with to do the job...some's better than none at all.

Another way to handle protection is to build a couple spark gaps that can be adjusted to arc to a ground bar in a high voltage situation. That's a great idea, but the breakdown voltage of the gap varies a bunch due to differing amounts of moisture in the air. It is however, a fairly dependable method of siphoning off the unwanted nastys to ground, as long as one takes into account that potentials up to the breakover voltage of the gap will also be present on other gear in the system.

Protection against a direct strike is tough...and expensive. If your antenna should take a hit, all bets are off. A good heavy DPDT knife switch mounted outside your house and tied to a separate ground system that can be thrown during storms is a safe bet, but it's value will depend on the quality of the ground system and the conductor size to get the strike's energy to it. A good, solid hit will burn off #6 copper wire like you'd cut it with wire shears. In case of a direct hit, hopefully most of the force will be directed to ground outside your home.

I went to an antenna seminar a couple years back, with one large segment dealing specifically with lightning protection in commercial communications. After an entire day of product info and design tips, the instructor came down to this....."A well protected site is one where you ground, bond and protect until you go broke....then add a little more". Sigh....

Good luck....

Doug Dunn, K7YD
Livingston, MT

Christopher Moore wrote:

>

> Hi Gang:

> One of the arguments I've heard against balanced fed antennas is the lack of
> a ground to protect against lightning. Suppose we had a dipole fed with
> balanced line connected to the rig via an antenna tuner. How do we prevent
> potential damage from lightning striking the antenna and radiating down the
> feedline into the shack? What kind of a ground system could we put on the
> tuner?

> 73, Chris

Date: Fri, 6 Jun 1997 10:18:34 +0000
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU
Subject: [20951] New Product Announcement
Message-ID: <199706061619.KAA23559@lynx.csn.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Milestone Technologies, Inc. is now able to offer the RAINBOW KITS BOOK. The book includes complete information on thirty-one different Rainbow Kits, comprising:

instructions,
parts lists,
parts overlays,
schematics,
and circuit board artwork.

Several of the circuits are interesting and can be built from common parts-on-hand.

Price is \$14.95 post paid, or \$12.00 in conjunction with any other kit and you can order the Rainbow Kits Book with your credit card on our toll free number 800-238-8205, via e-mail or the WWW, or send a check or money order for \$14.95 to:

Milestone Technologies, Inc.
3140 S. Peoria St. Unit K156
Aurora, CO 80014

73
Marshall Emm
AA0XI/VK5FN
aa0xi@mtechnologies.com
<http://www.mtechnologies.com/mthome>

Date: Fri, 06 Jun 1997 12:28:10 -0400 (EDT)
From: n4js@amsat.org
To: David Adams <adamsclan@netgate.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20952] RE: And while we are on the subject
Message-ID: <XFMail.970606122900.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

On 06-Jun-97 David Adams expounded:

>Has anyone put a tick in the HW8 (a rig with one of the ugliest
>sidetones I have ever heard)? I'm planning on sticking one in mine
>prior to heading off to France and if someone has already worked out the
>connection points then that leave me more time for figuring out a
>convenient way to power the sucker....

And I wouldn't mind hearing the answer to that one, too. I also have an HW8.

Sent at 12:29:00 on 06-Jun-97

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@n4js.ampr.org NJ Grid:FM29LN
<http://www.qsl.net/n4js> NJ-QRP #57 QRP-L #884
QRP-ARCI #9328 CQC #443 CQrp #50
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
WIMPS Qs=025 30m=22 17m=3 12m=0 States=08/02/00 Countries=12/02/00

Date: Fri, 06 Jun 1997 09:37:22 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
Cc: QRP-1 <QRP-1@Lehigh.EDU>
Subject: [20953] Re: Book - Build Your Own Intelligent Amateur Radio Transceiver
Message-ID: <33983CCA.58E6@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings;

Since I purchased this book two days ago, I have spent some time digging through it. This is not a simple instruction set for building a rig. He takes you through his design and decision making process for every stage. There are schematics, and PCB layouts, but no parts lists. You will have to look up the parts on the schematics, and make your own list.

Every section is tested as you go. There are even suggestions for modifications and alternate approaches. Everything is explained in great detail, in clear language. The book is well written, and the author has past experience writing for the ARRL on technical topics. Even if you do not intend to build the rig, there is a wealth of information included on radio related topics, so this could be viewed as a reference book as well. It is not perfect, but does a good job given such a complicated subject.

There is a complete series of chapters dealing with the design of every stage in the radio, including one on programming the Eprom, and the theory behind it. Although he mentions that the radio can be built with a preprogrammed chip, nowhere are we told where to source such a chip. Since most of us do not have the hardware to burn an Eprom, this is a definite OOPS!

In the appendix is a list of suppliers for the boards, should you wish to buy them (there are extensive instructions for rolling your own from the included art). One supplier is FAR Circuits, with whom many of us are familiar. I called and spoke with Fred and he informed me that he has the boardsets in stock, and can also supply the programmed Eprom! The cost for the boards (I think he said there were 18 in the set!) and the programmed chip is \$106, plus postage. He has already sold six or so board sets. so someone is working on them out there.

So, there you have it. I haven't yet decided to take the plunge, but I'm wavering. I sure would like to speak with someone who has already

tackled this rig. In the meantime, I continually find myself sucked into a chapter here or there, just enjoying his approach to explaining something.

This might be interesting as a group project on the Net. Anyone up to the Challenge?

Cheers,
Ken,

Date: Fri, 6 Jun 1997 09:47:15 -0700
From: "John Shuster" <jshuster@ix.netcom.com>
To: "QRP-L mailing list" <qrp-l@Lehigh.EDU>
Subject: [20954] FS: MFJ rigs
Message-ID: <199706061648.LAA08117@dfw-ix9.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

To All:

I have two MFJ QRP rigs for sale. MFJ 9020 - 20 meters and MFJ 9030 - 30 meters. 5 watts, CW. Full descriptions in any MJF catalogue.

These rigs are in perfect operating condition with original boxes and docs. They are the latest board versions with the poly caps in the VFO for best stability. (For a while, MFJ was using cheaper blue mono caps that caused noticeable drift.)

I am selling these so I can buy some QRP kits. I got a 559 from Vanuatu with the 20 meter rig and my R7!

\$120 each postpaid to continental US.

Thanks for reading!

John

++++
Father John Shuster, Married Roman Catholic Priest jshuster@ix.netcom.com
You'll love a Home Mass! Rent-A-Priest 1-800-PRIEST-9
At the foot of the Olympics in little Port Orchard, WA
K7MP ARCI 8951 QRP-L 554 ARS 36 NW QRP 346 WWDXC ARRL
++++

Date: Fri, 06 Jun 97 12:49:57 -0700
From: ptaber@microtest.com
To: <qrp-1@Lehigh.EDU>
Subject: [20955] Re[2]:Badger question for Nils
Message-ID: <9706068656.AA865615701@microtest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

>Of course, Nils is the expert; but I've seen a few do this. The trick
>seems to be to get the badger just angry enough that he clenches and bares
>his teeth. Assuming you have already filled the badger with paint (thinned
>slightly; add a twist of lemon), you can gently hug him like a set of
>bagpipes and the teeth make a very effective spray nozzle. I am told that
>this does not injure or hurt the badger in any way, and in fact, some
>badgers can be trained to be willing partners in the process.

Oh dear. I've been doing it wrong. I've been thinning the paint with prune juice
and then backing the badgers up to the cabinet.... Does make for a distinctive
finish, though.

>>>==>PStJTT

Date: Fri, 6 Jun 1997 12:50:42 -0400 (EDT)
From: Dennis Terribile <wr4i@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [20956] TRADE: Argo 515 > Argo II
Message-ID: <199706061650.MAA15997@brickbat9.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looking to trade my Argo 515 (+ \$\$) with matching cw/notch filter and
matching power supply for a Argo II (model # 525??...NOT the qrp/Scout).
Have all manuals and
the rig is in VERY good condition. Used to own one and foolishly sold to
buy the QRP+. No comparison folks...esp the QSK. TT makes the best.

No other trades, please (OK..maybe a OMNI IV! :)

Please reply direct: wr4i@mindspring.com
or 804-923-3550 before 9pm EST

Thanks,72
Dennis/WR4i
Charlottesville,VA

Date: Fri, 6 Jun 1997 09:51:35 -0700 (PDT)
From: Kory Hamzeh <kory@avatar.com>
To: Ken Lopez <kjlopez@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20957] Re: Book - Build Your Own Intelligent Amateur Radio Transceiver
Message-ID: <Pine.BSI.3.91.970606094856.26349A-100000@avatar.avatar.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 6 Jun 1997, Ken Lopez wrote:

>
> This might be interesting as a group project on the Net. Anyone up to
> the Challenge?
>

I ordered the book and I should receive it today ot tomorrow. I would be very interested in hooking up with a bunch of other people who are doing the same thing. Maybe we can order part together, etc...

Can you post/send me a quick spec on the rig?

If needed, I can even setup a separate mailing list hosted by my company so we don't bug the rest of the qrp-l people how don't care too much about this project.

Kory
AC6RN

Date: Fri, 6 Jun 1997 17:32:09 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>

To: qrp-1@Lehigh.EDU
Subject: [20958] RE: Open wire/ladder line feeders
Message-ID: <19970606173208.AAA6904@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

One trick I have seen for lightning protection is a thick (1/8")
brass plate
bent in an "L" shape with two holes drilled and tapped for an ordinary pair of
automotive spark plugs. The brass bracket going to a good ground (as
straight and direct as possible) and the cap terminals connected to each
side of the feeders.

The plugs positioned so that the "gap" is facing downwards. Use plugs that
have the "gap" center electrode that projects a ways from the main housing, as
they are easier to keep cleaned of debris of any kind.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: 860 tubes, WL-460 tubes

Butternut HF2V antenna, G-R test gear.....*

Date: Fri, 06 Jun 1997 18:15:37 GMT
From: mdwatt@usit.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20959] Re: vaniyt call help
Message-ID: <33985369.159968806@smtp.usit.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Fri, 06 Jun 1997 10:59:03 -0500, Christopher Moore
<christopher.moore@snet.net> wrote:

>I had the same idea last week. I pulled up the online form but didn't =
get
>much further. There didn't appear to be a way to return the form
>electronically. I think they want you to print it on your printer and =
send
>it snail-mail with your \$30.

True for the payment type. The form itself (with the calls listed)

is filed electronically, will be processed, and is held pending receipt of payment.

>I was hoping that there wouldn't be a charge if you filed = electronically.

It's not a service charge, but a fee -- everyone has to pay it, regardless of method.

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

-----  
Date: Fri, 06 Jun 1997 11:34:56 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: mdwatt@usit.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [20960] Re: vanity call help  
Message-ID: <33985850.6841@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Not guaranteed fact, but I THINK I read in rec.radio.amateur.info something about an increase to \$50 or \$100, PER YEAR, for vanity call upkeep?

Boy is that out of my grasp.

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#???/ARCI#????  
mailto:we6w@qsl.net http://www.qsl.net/we6w

-----  
Date: Fri, 06 Jun 1997 11:36:10 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: mdwatt@usit.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [20961] Re: vanity call help  
Message-ID: <3398589A.A24@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Oops. make that news:rec.radio.info  
sri.  
-Ed L.

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#??#/ARCI#????  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----

Date: Fri, 6 Jun 1997 11:36:43 -0700 (PDT)  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
To: we6w@qsl.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [20962] Re: vanity call help  
Message-ID: <Roam.SIMC.2.0.6.865622203.5522.myers@bigboy>  
Content-Type: text

Ed, WE6W, wrote:

> Not guaranteed fact, but I THINK I read in rec.radio.amateur.info  
> something about an increase to \$50 or \$100, PER YEAR,  
> for vanity call upkeep?  
>  
> Boy is that out of my grasp.

The FCC has proposed an increase from \$3/year to \$5/year for vanity call use. This has not been acted on yet.

Dana K6JQ  
Dana@Source.Net

-----

Date: Fri, 6 Jun 1997 10:47:12 -0700  
From: torell@sicom.com (Kent Torell)  
To: qrp-1@Lehigh.EDU  
Subject: [20963] Re: Book - Build Your Own Intelligent Amateur Radio Transceiver

Message-ID: <v02130502afbdfc1992bd@[192.91.202.41]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

...

>I ordered the book and I should receive it today or tomorrow. I would be  
>very interested in hooking up with a bunch of other people who are doing  
>the same thing. Maybe we can order part together, etc...

...

>If needed, I can even setup a separate mailing list hosted by my company  
>so we don't bug the rest of the qrp-l people who don't care too much  
>about this project.

Kory,

I would be in favor of keeping the discussions on the list, as building/designing qrp rigs is a major component of this list (and a major attraction for me :-). Put a header on the subject line, like RIG: (topic), so uninterested people can delete it right away. This could end up similar to the rig design tutorials we had a few months ago.

Kent Torell    torell@sicom.com    602-607-4852  
SICOM    7585 E. Redfield, #202    Scottsdale, AZ    85260  
AB7OA    scQRPion 6,qrp-l 57,ARCI 9075    DM33xn    33.55 N 112.078 W

-----  
Date: Fri, 6 Jun 1997 11:55:41 -0700 (PDT)  
From: Kory Hamzeh <kory@avatar.com>  
To: Kent Torell <torell@sicom.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [20964] Re: Book - Build Your Own Intelligent Amateur Radio Transceiver  
Message-ID: <Pine.BSI.3.91.970606115413.26952B-1000000@avatar.avatar.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Many people have expressed concerns about having a separate list. For now, let's put that idea on hold. If, in the future, there is a need for a separate list, I would be more than happy to host it.

Thanks,  
Kory

On Fri, 6 Jun 1997, Kent Torell wrote:

> ...  
> >I ordered the book and I should receive it today ot tomorrow. I would be  
> >very interested in hooking up with a bunch of other people who are doing  
> >the same thing. Maybe we can order part together, etc...  
> ...  
> >If needed, I can even setup a separate mailing list hosted by my company  
> >so we don't bug the rest of the qrp-l people how don't care too much  
> >about this project.  
>  
> Kory,  
>       I would be in favor of keeping the discussions on the list, as  
> building/designing qrp rigs is a major component of this list (and a major  
> attraction for me :-). Put a header on the subject line, like RIG:  
> (topic), so uninterested people can delete it right away. This could end  
> up similar to the rig design tutorials we had a few months ago.  
>  
>  
> Kent Torell   torell@sicom.com   602-607-4852  
> SICOM   7585 E. Redfield, #202   Scottsdale, AZ   85260  
> AB7OA   scQRPion 6,qrp-l 57,ARCI 9075   DM33xn 33.55 N 112.078 W  
>  
>  
>  
>

-----  
Date: Fri, 6 Jun 1997 14:59:12 -0400  
From: "Dave Maliniak" <dmaliniak@penton.com>  
To: qrp-l@Lehigh.EDU  
Subject: [20965] Surplus stores in Orange Co.?  
Message-ID: <852564AE.00684478.00@mail.penton.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Anybody know of any good electronics surplus spots in Orange County,  
Calif.? Particularly that are open on Sundays? A long shot, I know...

72 David N2SMH/QRP  
Glen Rock, NJ

-----  
Date: Fri, 6 Jun 1997 12:02:00 -0700 (PDT)  
From: Kory Hamzeh <kory@avatar.com>  
To: qrp-1@Lehigh.EDU  
Subject: [20966] Alpha-Delta Output Tripod  
Message-ID: <Pine.BSI.3.91.970606115549.26952C-100000@avatar.avatar.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Has anyone played with the Alpha-Delta Outpost Tripod? It seems to simulate the ground plane of a car and is designed to work with mobile antennas like the outbacker or the hamstick. I'm curious to see if it would work with the SLV. I like the quick setup and the fact that it does not need a large foot print. Running 40M radials on the SLV needs about a 33 feet radius. I spoke with Jim at Alpha Delta and see said they have had good results with most mobile antennas, but they have never tried it with other types.

I don't know too much about antennas, but common sense tells me that the SLV's full length radials will outperform the capacitive loaded Output tripod. Is my thinking wrong here?

Any information would be greatly appreciated.

Thanks,  
Kory

-----  
Date: Fri, 6 Jun 1997 15:20:32 -0400 (EDT)  
From: "J. Skalski" <jskalski@acsu.buffalo.edu>  
To: Kory Hamzeh <kory@avatar.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [20967] Intelligent XCVR  
Message-ID: <Pine.GS0.3.96.970606151842.26393A-100000@hercules.acsu.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I would be interested in following this thread and will consider purchasing the book.

It can be identified by the above subject line. This way it can be deleted by those not so inclined.

73,

Jim N2G0  
The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
Life member ARRL  
jskalski@acsu.Buffalo.EDU

-----  
Date: Fri, 6 Jun 97 15:55:04 EDT  
From: Joel Malman <malman@BBN.COM>  
To: qrp-1@Lehigh.EDU  
Subject: [20968] bootleg calls ...  
Message-ID: <199706061955.PAA34936@nss2.CC.Lehigh.EDU>

Folks,

Read Paul's bootleg story and it helped me remember what happened to me about 30 years ago... (My call back then was WB2VIA)

I was working the low end of 20 meters ... probably around 14.030 when I hear a CQ with someone using my call!

Now let me tell you, it sounds pretty strange to hear your call -- from another station. He was sending pretty good code and was pretty strong [ he was probably using a keyer, I was using a Bug at the time], so I give him a call: WB2VIA WB2VIA de WB2VIA WB2VIA K

No response. Never heard him on again -- he probably adopted a new call.

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)  
WIMPS: Qs=141 30m=127 17m=13 12m=01 States=23/04/00 DX=042/09/01

-----  
Date: Fri, 6 Jun 1997 16:30:03 -0400 (EDT)  
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>  
To: qrp-1@Lehigh.EDU

Subject: [20969] The Art of Electronics

Message-ID: <97Jun6.163013-0400\_edt.10407-13724+3@hooch.cc.Lehigh.EDU>

Content-Type: text

Gang,

Just dropped my allowance (yes, it could be my yearly allowance :-) on a few books. Chuck sez you can't go wrong buying books. Purchased Intro to RF Design by Hayward, Solid State Design by Hayward and DeMaw, and W1FB's QRP Notebook by DeMaw, all published by ARRL. Great stuff. Intro to RF Design is a bit over my head and I decided to bone up on the basics, so I also bought The Art of Electronics by Horowitz and Hill. Hayward recommends this book for self-study, and after spending a few nights with it I agree whole-heartedly. But don't forget to also get The Student Manual for the Art of Electronics, by Hayes and Horowitz. It's written just as well as the book and details the most important ideas from the book. Between the book and the manual there's some 1700 pages of "...laws, rules of thumb, and tricks that constitute the art of electronics...". They're perfect for the amateur for self-study, and I can't wait to go through them.

See:

<http://www.amazon.com/>

<http://www.arrl.org/>

<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/reviews/introrfd.mcq>

<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/reviews/qrpnotebook.mcq>

<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/books/electronics.list>

The Art of Electronics, 2nd edition

Paul Horowitz, Winfield Hill

Cambridge University Press 1989

ISBN 0-521-37095-7

Student Manual for The Art of Electronics

Thomas Hayes, Paul Horowitz

Cambridge University Press 1989

ISBN 0-521-37709-9

73

Jim N3VXI

-----  
Date: Fri, 6 Jun 1997 14:55:54 +0000

From: "Marshall Emm" <mgemm@mtechnologies.com>

To: qrp-l@Lehigh.EDU

Subject: [20970] CQC Swap List



Message-ID: <199706062056.0AA19213@lynx.csn.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

The CQC Swap List has been updated. Main thing is a big bunch of deletions of items that had been listed for 2 months.

It's on the WWW at <http://www.mtechnologies.com/mthome/cqcswap.htm> or you can get it by email by sending a request to [cqcswap@mtechnologies.com](mailto:cqcswap@mtechnologies.com).

73  
Marshall Emm  
AA0XI/VK5FN  
[aa0xi@mtechnologies.com](mailto:aa0xi@mtechnologies.com)  
<http://www.mtechnologies.com/mthome>

-----  
Date: Fri, 06 Jun 1997 14:24:03 -0700  
From: mike wood <K6MW@server.worldinfonet.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [20971] Email for WA8TXT ?  
Message-ID: <33987FF3.378A@server.worldinfonet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am looking for a Email adrs for Mike Agsten, WA8TXT

Mike sells the Spider QRP kits and I was wondering if he had Email.

73, mike

-----  
Date: Fri, 06 Jun 1997 14:43:51  
From: Dan Hogan <dhhogan@lightside.com>  
To: qrp-l@Lehigh.EDU  
Subject: [20972] Re: Book - Build Your Own Intelligent Amateur Radio Transceiver  
Message-ID: <3.0.1.16.19970606144351.359ff9e4@mail.lightside.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Sounds like an interesting project. I'm already committed to the EE20 book from Cal Tech. and have the 40A waiting to start.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,  
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949  
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: DM84wc

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End of QRP-L Digest 749

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